

Do not enter claims
of 21 June 2007

IN THE CLAIMS

MC 6/3/07

Please amend the claim as follows:

1. (Currently Amended) A semiconductor optical amplifier (SOA) module apparatus for amplifying an optical signal received from an input optical fiber, and transmitting the amplified optical signal to an output optical fiber, comprising:

a semiconductor optical amplifier (SOA) configured to amplify an optical signal applied to its own first stage, to output the amplified optical signal at its own second stage, and to output an ASE (Amplified Spontaneous Emission) light at the first stage;

a first monitor photo-diode;

an input unit having a first isolator that is configured to transmit an input optical signal to the first stage of the SOA, to separate the ASE light received from the first stage of the SOA from a traveling path of the input optical signal at a prescribed angle, and to transmit the ASE light separated from the traveling path through the first isolator and to the first monitor photo-diode, wherein the first monitor photo-diode is configured to receive and detect a power level of the ASE light passing through the first isolator and disposed at a predetermined angle relative to the first isolator; and

an output unit configured to converge the amplified optical signal received from the SOA onto one end of the output optical fiber.

2. (Previously Presented) The apparatus as set forth in claim 1, wherein the input unit includes:

a first collimating lens system configured to face one end of the input optical fiber and to collimate the optical signal;